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Attorney Docket: 381TO/41092CO
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: *3y* HIROSHI ONISHI ET AL.

Serial No.: 09/498,856

Filed: FEBRUARY 4, 2000

Title: AUTOMATIC TRANSMISSION CONTROL SYSTEM
FOR AN AUTOMOBILE

RECEIVED
AUG 31 2000
TC 2700 MAIL ROOM

SUPPLEMENTAL PRELIMINARY AMENDMENT

Box Non-Fee Amendment

Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED July 7, 2000

DEC 07 2000

Sir:

TO 3600 MAIL ROOM

Please enter the following amendments to the claims prior
to the examination of the application.

IN THE CLAIMS:

Please substitute the following Claims 12-14 for Claims 12-
14 submitted in the Preliminary Amendment dated February 4, 2000:

--12. Control system for an automatic transmission with
torque converter comprising:

first input torque estimating unit for estimating an
input-torque of said automatic transmission using an engine
torque characteristic;